

Mouse Matrix Metalloproteinase 2 (MMP2) ELISA Kit | MMP2 elisa kit

Mouse Matrix Metalloproteinase 2 (MMP2) Mini Samples ELISA Kit

CATALOG #
AAA149006

REACTIVITY
Mouse

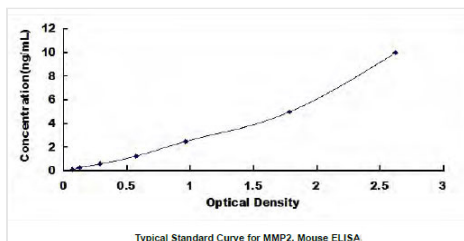
PRODUCT SYNONYMS

Matrix Metalloproteinase 2 (MMP2); Mouse Matrix Metalloproteinase 2 (MMP2) Mini Samples ELISA Kit; CLG4; CLG4A; MMP-II; MONA; TBE-1; PEX; Gelatinase A; 72kDa Gelatinase; 72kDa Type IV Collagenase; MMP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MMP14. No significant cross-reactivity or interference between MMP14 and analogues was observed.
Sequence Length	650
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MMP14 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MMP14 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MMP14 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MMP14. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MMP14. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MMP14, biotin-conjugated antibody and enzymeconjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MMP14 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MMP2 elisa kit	Enzyme & Kinase; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	442623038
NCBI GeneID	35997
NCBI Accession #	NP_610511.3
NCBI GenBank Nucleotide #	NM_136667.3
UniProt Accession #	Q8MPP3; Q5BIL2; A0A0B4KFG9; A0A0C4DHC9
Molecular Weight	72,128 Da
NCBI Official Full Name	matrix metalloproteinase 2, isoform D
NCBI Official Synonym Full Names	Matrix metalloproteinase 2
NCBI Official Symbol	Mmp2
NCBI Official Synonym Symbols	2-MMP; anon-WO0118547.84; CG1794; dm-2MMP; Dm2-MMP; DmelCG1794; dmmp2; l(2)02353; mmp2; MMP2
NCBI Protein Information	matrix metalloproteinase 2
UniProt Protein Name	Matrix metalloproteinase-2
UniProt Gene Name	Mmp2
UniProt Synonym Gene Names	Dm2-MMP1 PublicationManual assertion based on opinion iniRef.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/matrix-metalloproteinase-2-mmp2/149006>